

SEQUENCE LISTING

SEQ ID 1

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SEQ ID 2

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SEQ ID 3

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SEQ ID 4

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SEQ ID 5

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SEQ ID 6

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SEQ ID 7

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SEQ ID 8

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SEQ ID 9

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SEQ ID 10

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SEQ ID 11

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SEQ ID 12

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SEQ ID 13

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SEQ ID 14

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SEQ ID 15

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SEQ ID 16

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SEQ ID 17

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SEQ ID 18

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SEQ ID 19

MLTDLRAVNAVIPQMPGLQPLPSAMIPKDWPLI IIDLKDCFFTIPLAEQDCEKFAFTIPAINNKEPATRFQWKVLPQGLNSPTICQTFVGRALQ
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RPTLGIPTYAMS NFLSILRGSDLSNKRMLTPEATKEIKLVEEKIQSAQINRIDPLAPLQLLIFATAHSPTGII IQNTDLVEWSFLPHSTVKTFITLY

6/25

LDQIATLIGQTRLRIIKLCGNDPDKIVVPLTKEQVRQAFINSGAWKIGLANFVGIIIDNHYPKTKIFQFLKLTWILPKITRREPLENALTVFTDGSS
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DSKECTTPQMQLNLALYTLNLFNIYRNQTTTSAEQHLTGKKNSPHEGKLIWWKDSKNKTWEIGKVITWGRGFACVSPGENQLPVWIPTRLHKFYNEP
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SEQ ID 20

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FSYQSRSLKFRPKGKPCPEIKPKESKNTFVLWEECVANSVILKNNEFGTIIDWAPRGQFYHNCSGQTQSCPSAQVSPAVDSDLTESLDKHKHKLQ
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VSV

SEQ ID 21

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RIIKLCGNDPDKIVVPLTKEQVRQAFINSGAWKIGLANFVGIIIDNHYPKTKIFQFLKLTWILPKITRREPLENALTVFTDGSSNGKAAATGPKERV
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TCQTGESTSHVKKHLLSCFAVMGVPEKIKTDNGPGYCSKAFQKFLSQWKISHTTGIPYNSQGOAIVERTNRTLKTQLVKQKEGGDSKECTTPQMQLN
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SEQ ID 22

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SEQ ID 23

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SEQ ID 24

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CTGACCGTGGGAGCGCTCGCCATCCATCATATTTGACTGAAAGTATTAAGACATTTTAAATAGATCCAAAGATTCAATTTTACCTTAATTGCA
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AAGCCATTTAAATTTGATGCCAGGAATGAGGCAATTGCAGGAGTTGCTGATGGCTCGCAATCTTAACCTGTCACTTGGGTTAAGACCATCGG
AAGTACTATGATTATAAATCTCATATTAATCCTTGTGTGCTGTTTTGTCTGTTGTAGTCTGCAGGTGTACCAACAGCTCCGAAGAGACAGCGAC
CATCGAGAACGGGCCA

SEQ ID 25

ATGGGGCTCTCCAACCGGGTTGCCCTCTCCGGCCATGATCCCAAAAGATTGGCCTTTAATTATAATTGATCTAAAGGATTGCTTTTTTACCATCC
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GGGAATGCTTAATAGTCCAATTTTGTGACACTTTTGTAGGTGAGCTCTTCAACAGTGAGAGAAAAGTTTTCAGACTGTTATATTATTCATTAT
ATTGATGATATTTATGTGCTGCAGAAACGAAAGATAAATTAATTGACTGTTATACATTTCTGCAAGCAGAGGTTGCCAATGCTGGACTGGCAATAG
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TTCCTATCTTAAGAGGAGACTCAGACTTAATAGTCAAAGAATATTAACCCAGAGGCAACAAAGAAATTAATTTAGTGAAGAAAAATTCAGT
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TCTTGTGGAGTGGTCATTCCTTCTCACAGTACAGTTAAGACTTTTACATTGTACTTGGATCAATAGCTACATTAATCGGTGACACAAGATTACGA
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TGTAAGAAAAAGAAATTTCCCATTTTATATTACTTATATTCGAGCACACACTAATTTACCAGGGCCTTTGACTAAAGCAAATGAACAAGCTGACTTA
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ATTATGGCAAATGGATGTCACGCATGTACCTTCATTGGAAGATTATCATATGTTTCATGTAACAGTTGATACTTATTCACATTTTCATATGCGCAACT
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CAGGATATTGTAGTAAAGCTTTCCAAAAATTTCTTAAGTCAGTGGAAAATTTACATACACAGGAATTCCTTATAATTTCCCAAGGACAGGCCATAGT
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GCACTCTATACTTTAAATTTTTTAAACATTTATAGAAATCAGACTACTTCTGTCAGAACACATCTTACTGGTAAAAAGAACAGCCACATGAAG
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CAGTCTAACAGTTTCTTTACAAGTTGCGTAAAGCCCCCTTATATGCTAGTTGTAGGAAATATAGTTATTAAACCAGACTCCAGACTATAACCTGT
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GCATCAAAGCCCATTTAAATTTGGTCCAGGAACAGAGCAATTGAGGAGTTGCTGATGGCCTCGCAAATCTTACCCCTGTCACTTGGGTAAAGA
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CAGCGACCATCGAGAACGGCCATGATGACGATGGCGGTTTTGTGCGAAAAGAAAAGGGGAAATGTGGGGAAAAGCAAGAGATCAAAATTTGTTACT
GTGTCTGTGTAG

SEQ ID 26

MQRKAPRRRRHRNAPLTHKMNMVTTSEEQMKLPSTKKAEPPTWAQLKKLTQLATKYLENTKVQTPESMLLAALMIVSMVSLPMPAGAAAANYT
YWAYVPFPLIRAVTWMDNPTEVYVNDVSVVPGPIDDRCPAKPEEEGMMINISIGYHYPPICLGRAPGCLMPAVQNWLVEVPTVSPICRFTYHVMVSG
MSLRPRVNYLQDFSVQRSKFRPKGKPCPEIKPESKNTTEVLVWEECVANSVILQNNNEFGTIIIDWAPRGQFYHNCSCGTQSCQSAQVSPAVIDSLT
ESLDKHKHKLQSFYFWEWGEKISTPRPKIVSPVSGPEHPELWRLTVASHHRIWISGNQTLERDRKPFYITDNLSSLTVPLQSCVKPPYMLVVG
IVIKPDSQITTCENRLLTICIDSTFNWQHRILLVRAREGVWIPVSMRDPWEASPSVHILTEVLKGVNLRSKRIFTLLIIVIMGLIATATAAVAGVA
LHSSVQSVNFVNDWQKNSTRLWNSQSSIDQKLANQINDLRQTVIWMGDRMSLEHFRQLQCDWNTSDFCITPQIYNESEHHWDMVRRHLQGREDNLT
LDISKLEQIFEASKAHLNLVPGTEAIAGVADGLANLNPVTWVKTI GSTTIIINLILVLCFLCLLVCRCTQQLRRDSHRRERAMMTMAVLSKRKGG
NVGSKRDQIVTVSV

SEQ ID 27

MGPLQPLPSAMIPKDWPLIIIDLKDCFFTIPLAEQDCEKFAFTIPAINNKEPATRFQWKVLPQGMNLSPITCQTFVGRALQPVREKFSDCYIIHY
IDDILCAAETDKDLIDCYTFLOAEVANAGLAIASDKIQTSTPFHYLGMQIENRKIKPKQIEIRKDTLKTLDNFQKLLGDINWIRPTLGIPTYAMSNL
FSILRGSDSLNSQRILTPREATKEIKLVEEKIQSAQINRIDPLAPLQLLIFATAHSPTGIIQNTDLVEWSFLPHSTVKFTFLYLDQIATLIGQTRLR
ITKLCGNDPDKIVVPLTKEQVRQAFINSAGWQIGLANFVGLIDNHYPKTKIFQFLKLTWILPKITRREPLENALTVDGSSNGKAAATGPKERV
KTPYQSAQRDELVAIVITVLQDFDQPINIISDSAYVVQATRDVETALIKYSMDQNLQFLNLLQQTVRKRNFPHYITYIRAHTNLPGLTKANEQADL
LVSSALIKAQELHALTHVNAAGLKNKFDVWTKQAKDIVQHCTQCQVHLPTQEAGVNPRLCPNALWQMDVTHVPSFGRLSYVHVTVDTYSHFIWAT
CQTGESTSHVKKHLLSCFAVMGVPEKIKTDNGPGYCSKAFQKFLSQWKISHTTGIPYNSQQAIVERTNRTLKTQLVKQKEGGDSKECTTPQMQLNL
ALYTLNLFNIYRNQTTTSAEQHLTGKKNPHEGKLIWWKDNKNKTWEIGKVITWGRGFACVSPGENQLPVWLPTRHLLKIFYNEPIGDAKKRASTEMVT
PVTWMDNPTEVYVNDVSVVPGPIDDRCPAKPEEEGMMINISIGYHYPPICLGRAPGCLMPAVQNWLVEVPTVSPISRFTYHVMVSGMSLRPRVNYLQD
FSYQRSKFRPKGKPCPEIKPESKNTTEVLVWEECVANSVILQNNNEFGTIIIDWAPRGQFYHNCSCGTQSCQSAQVSPAVIDSLTESLDKHKHKLQ
SFYFWEWGEKISTPRPKIVSPVSGPEHPELWRLTVASHHRIWISGNQTLERDRKPFYITDNLSSLTVPLQSCVKPPYMLVVGNIIVIKPDSQITTC
ENRLLTICIDSTFNWQHRILLVRAREGVWIPVSMRDPWEASPSVHILTEVLKGVNLRSKRIFTLLIIVIMGLIATATAAVAGVALHSSVQSVNFVND
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ASKAHLNLVPGTEAIAGVADGLANLNPVTWVKTI GSTSIIINLILVLCFLCLLVCRCTQQLRRDSHRRERAMMTMAVLSKRKGGNVGSKRDQIVT
VSV

SEQ ID 28

MNPSEMQRKAPRRRRHRNAPLTHKMNMVTTSEEQMKLPSTKKAEPPTWAQLKKLTQLATKYLENTKVQTPESMLLAALMIVSMVSLPMPAGAA
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9/25

HMVSGMSLRPRVNYLQDFSYQSRSLKFRPKGKPCPKIPEKSKNTEVLVWEECVANSVILQNNFETIIDWAPRGQFYHNCSGQTQSCPSAQVSPAV
DSDLTESLDKHKHKLQSFYPEWEGEGISTPRPKIVSPVSGPEHPELWRLTVASHHRIWISGNQTLERDRKPFYITDLNSSLTVPLQSCVKPPYM
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VAGVALHSSVQSVNFVNDWQKNSTRLWNSQSSIDQKLANQINDLRQTVIWMGDRMSLEHRLFQLCDWNTSDFCITPQIYNESEHHWDMVRRHLQGR
EDNLTLDISKLKEQIFEASKAHLNLVPGTEAIGVADGLANLNPVTWVKITIGSTTIINLILVCLFCLLLVCRCTQQLRRSDHRRERAMMTMAVLS
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SEQ ID 29

AGTTCACAAATGAACCCATCAGAGATGCAAAGAAAAGCACCTCCGCGGAGACGGAGACATCGCAATCGAGCACCGTTGACTCACAAGATGAACAAA
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ATATCTAGAGAACACAAAGGTGACACAAACCCAGAGAGTATGCTGCTGCAGCCTTGATGATTGATCAATGGTGGTAAGTCTCCCTATGCCTGCA
GGA

SEQ ID 30

TCTGCAGGTGTACCCAACAGCTCCGAAGAGACAGCGACCATCGAGAACGGGCCATGA

SEQ ID 31

MNPSEMQRKAPRRRRHRNRAPLTHKMNMVTSSEQMKLPSTKKAGPPTWAQLKKLTQLATKYLENTKVTQTPESMLLAALMIVSMVSAGVPNSSEE
TATIENG

SEQ ID 32

MNPSEMQRKAPRRRRHRNRAPLTHKMNMVTSSEQMKLPSTKKAEPPTWAQLKKLTQLATKYLENTKSAGVPNSSEETATIENG

SEQ ID 33

MNPSEMQRKGPPQRCLQVYPTAPKRQRPSTGHDDGGFVEKKRGKCGEKQERSDCYCVVERSRRRLHFVLY

SEQ ID 34

MNSLEMQRKVWRWRHPNRLASLQVYPAAPKRQQPARMGHSDGGFVKKRGGYVRKREIRLSLCLCRKGRHKKLHFVLY

SEQ ID 35

MNPSEMQRKAPRRRRHRNRAPLTHKMNMVTSSEQMKLPSTKKAEPPTWAQLKKLTQLATKYLENTKVILQVYPTAPKRQRPSTGHDDGGFVEK
KRGKCGEKQERSDCYCVVERSRRRLHFVLY

SEQ ID 36

MNPSEMQRKAPRRRRHRNRAPLTHKMNMVTSSEQMKLPSTKKAEPPTWAQLKKLTQLATKYLENTKVYPTAPKRQRPSTGHDDGGFVEKKRGK
CGEKQERSDCYCVVERSRRRLHFVLY

SEQ ID 37

MNPSEMQRKAPRRRRHRNRAPLTHKMNMVTSSEQMKLPSTKKAEPPTWAQLKKLTQLATKYLENTKVTQTPESMLLAALMIVSMVYPTAPKRQ
PSTGHDDGGFVEKKRGKCGEKQERSDCYCVVERSRRRLHFVLY

SEQ ID 38

MNPSEMQRKGPPQRCLQVYPTAPKRQRPSTGHDDGGFVEKKRGKCGEKQERSDCYCVVERSRRRLHFVLY

SEQ ID 39

MNPSEMQRKGPPQRCLQVYPTAPKRQRPSTGHDDGGFVEKKRGKCGEKQERSDCYCVVERSRRRLHFVLY

SEQ ID 40

MEYKNRHLKFYNEPIGDAKKRASTEMSAGVPNSSEETATIENG

SEQ ID 41

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SEQ ID 42

MNPSEMQRKAPRRRRHRNRAPLTHKMNMVTSSEQMKLPSTKKAEPPTWAQLKKLTQLATKYLENTKSAGVPNSSEETATIENG

SEQ ID 43

MNPSEMQRKAPRRRRHRNRAPLTHKMNMVTSSEQMKLPSTKKAEPPTWAQLKKLTQLATKYLENTKVTQTPESMLLAALMIVSMVSAGVPNSSEE
TATIENG

SEQ ID 44

MVTPVTWMDNPIEVYVNDVWVPGPTDDRCPAKPEEEGMMINISIVYRYPICLGRAPGCLMPAVQNCQLQVYPTAPKRQRPSTGHDDGGFVEKKR
GKCGEKQERSDCYCVVERSRRRLHFVLY

SEQ ID 45

MVTPVTWMDNPIEVYVNDSEWVPGPTDDRCPAKPEEEGMMINISIGLQVYPTAPKRQRPSTGHDDGGFVEKKRGKCGEKQERSDCYCVVERSRR
RLHFVVC

SEQ ID 46

MNSLEMQRKVWRWRHPNRLASLQVYPAAPKRQQPARMGHSDGGFVKKRGGYVRKREIRLSLCLCRKGRHKKLHFDLY

SEQ ID 47

MNSLEMQRKAPRRRRHRNRAPLTHKMNKMTSEEQMKLSSTKKAEPPTWAQLKKLTQLATKYLENTKVQTPESMLLAALMIVSMVSLPMPAGAA
AANYTYWAYVVPFPLIRAVTWMNDNPTEVYVNDVSVVPGPIDDRCPAKPEEEGMMINISIGYHYPPICLGRAPGCLMPAVQNLVEVPTVSPICRFTY
HMSAGVPNSSEETATIENGP

SEQ ID 48

MNPSEMQRKAPRRRRHRNRAPLTHKMNKMTSEEQMKLPSTKKAEPPTWAQLKKLTQLATKYLENTKVTLQVYPTAPKRQRPSTGHDDGGGFVEK
KRGKCGEKQERSDCYCVVERSRRRLHFVMY

SEQ ID 49

MNPSEMQRKAPRRRRHRNRAPLTHKMNKMTSEEQMKLPSTKKAEPPTWAQLKKLTQLATKYLENTKVYPTAPKRQRPSTGHDDGGGFVEKKRGK
CGEKQERSDCYCVVERSRRRLHFVMY

SEQ ID 50

MNPSEMQRKAPRRRRHRNRAPLTHKMNKMTSEEQMKLPSTKKAEPPTWAQLKKLTQLATKYXLENTKVQTPESMLLAALMIVSMVYPTAPKRQ
RPSRTGHDDGGGFVEKKRGKCGEKQERSDCYCVVERSRRRLHFVMY

SEQ ID 51

GCCGCGGAATTCGACTCTAGGCCATTGCATACGTTGTATCTATATCATAATATGTACATTTATATTGGCTCATGTCCAATATGACCGCCATGTTGA
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ATGGGTGGAGTATTTACGGTAACTGCCCACTTGGCAGTACATCAAGTGTATCATATGCCAAGTCCCGCCCCCTATTGACGTCAATGACGGTAAATGG
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CGGCCATTTTCCACCATGATATTCGGCAAGCAGGCATCGCCATGGGTACGACGAGATCCTCGCGCTCGGGCATGCGCGCTTGAGCTGGCGAACA
GTTCCGGTGGCGGAGCCCCGATGCTCTTCTGTCAGATCATCCTGATCGACAAGACCGGCTTCCATCCGAGTACGTGCTCGCTCGATGCGATGTTT
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TTTTTGTGTTGCAAGCAGCAGATTACGCGCAGAAAAAAGGATCTCAAGAAGATCCTTTGATCTTTCTACTGAACGGTGATCCCCACCGGAATTGC
G

SEQ ID 52

GCCGCGGAATTTGACTCTAGGCCATTGCATACGTTGTATCTATATCATAATATGTACATTTATATTGGCTCATGTCCAATATGACCGCCATGTTGA
CATTGATTATTGACTAGTTATTAATAGTAATCAATTACGGGGTCATTAGTTCATAGCCCATATATGGAGTTCCGCGTTACATAACTACGGTAAATG
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GTTTTTGGCTTGGGCTTATACACCCCGCTTCTTATGCTATAGGTGATGGTATAGCTTAGCTATAGGTGTTGGTTATTGACCATTTATGACCAC
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[illegible]

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SEQ ID 57

ATGAACCCATCAGAGATGCAAGAAAAGCACCTCCGCGGAGACGGAGACATCGCAATCGAGCACCCTTGACTCACAAGATGAACAAAATGGTGACGT
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SEQ ID 58

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SEQ ID 59

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SEQ ID 60

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SEQ ID 61

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SEQ ID 62

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SEQ ID 63

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18/25

ACGAGTCAAAAAATCATGACCAAGATGGGATATATACCAGGAAGGGACTAGGGAAAAATGAAGATGGCATTAAAATTCAGTTGAGGCTAAAAATAA
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SEQ ID 64

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SEQ ID 65

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SEQ ID 66

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CCATCCCCCTGCGCGAGCAGACTGCGAGAAGTTCCGCTTACCATCCCCGCACTAACAACAAGGAGCCCGCCACCCGCTTCAGTGGAGGTGCT
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CAAGGACACCCCTGAAGACCCCTGAACGACTTCCAGAAGCTGCTGGGCGCATCAACTGGATCCGCCCCACCTGGGCATCCCCCTACGCCATGAGC
AACCTGTTTCAGCATCTGCGCGGCGACAGCGACCTGAACAGCAAGCGCATGCTGACCCCCGAGGCCACCAAGGAGATCAAGCTGGTGGAGGAGAAGA
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CACCGACCTGGTGGAGTGGAGCTTCTGCCCCACAGCACCGTGAAGACCTTCACCTGTACCTGGACCAGATCGCCACCTGATCGGCCAGACCCGC
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CCTGGACGACTGCATCAACGGCGGCAAGAGCCCCCTACGCTGCCGACGAGTGCAGCGCTTAA

SEQ ID 67

MNPSEMQRKAPRRRRHRNRAPLTHKMNMVTSEEQMKLPSTKKAEPPTWAQLKKLTQLATKYLENTKVQTQTPESMLLAALMIVSMVSAGVPNSSEE
TATIENGPA

SEQ ID 68

MNPSEMQRKAPRRRRHRNRAPLTHKMNMVTSEEQMKLPSTKKAEPPTWAQLKKLTQLATKYLENTKVQTQTPESMLLAALMIVSMVYPTAPKRQR
PSRTGHDDGGFVEKKRGKCGEKQERSDCYCVVERSRRRLHFVLYA

SEQ ID 69

MGQTKSKISKYASYLSFIKILLKRGGVKVSTKNLIKLFQIIEQFCPWFPEQGTLDLKDWKRIKELKQAGRKGNIIPLTVWNDWAIKAALPEPFQT
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PQKQVKENKTQPPVAYQYWPAPLQYRPPESQYGYPGMPPAPQGRAPYQPPTRRLNPTAPPSRQSKLHEIIDKSKEGDEAWQFPVTLPEMPP
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SEQ ID 70

MGQTKSKISKYASYLSFIKILLKRGGVKVSTKNLIKLFQIIEQFCPWFPEQGTLDLKDWKRIKELKQAGRKGNIIPLTVWNDWAIKAALPEPFQT
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PQKQVKENKTQPPVAYQYWPAPLQYRPPESQYGYPGMPPAPQGRAPYQPPTRRLNPTAPPSRQSKLHEIIDKSKEGDEAWQFPVTLPEMPP
GEGAQEGEPPTVEARYKSFISIKLLKDMKEGVKQYGPNSPYMRTLDSIAHGRLIPYDWEILAKSSLSPSQFLQFKTWIIDGVQEQVRRNRANPPV
NIDADQLLIGIGNWSTISQALMQNEAIEQVRAICLRAWEKIQDPGSTCPSFNTVRQGSKEPYPDFVARLQDVAQKSIADKARKVIVELMAYENAN
PECQSAIKPLKGKVPAGSDVISEYVKACDGIGGAMHKAMLAQAITGVVLGGQVRTFGRKCYNCGQIGHLKKNCPVLNQNITIQATTGREPPDLC
PRCKKGKHWASQCRSKFDKNGQPLSGNEQRGQPPAQQTGAFFIQPFVPGFQGGQPPLSQVFQGISQLPQYNNCPPQAQVQ

SEQ ID 71

MWATIVGKRAKGPASGPTTNWGIPNSAICSSGSGTTPTPVPSVSGNKPVTTIQQLSPATSGSAVDLCTIQAVSLLPGEPPQKTPTGVYGPLPKGT
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QGKQFEGLVDTGADVSI IALNQWPKNWPQKAVTGLVGIGTASEVYQSTEILHCLGPDNQESTVQPMITSIPLNLWGRDLLQWGAETMPAPSYS
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SEQ ID 72

MWATIVGKRAKGPASGPTTNWGIPNSAICSSGSGTTPTPVPSVSGNKPVTTIQQLSPATSGSAVDLCTIQAVSLLPGEPPQKTPTGVYGPLPKGT
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SEQ ID 73

MNKSRRNRRESLLGAATVEPPKPIPLTWKTEKPVWVNWPLPKQKLEALHLLANEQLEKHIEPSFSPWNSPVFVIQKSKGWRMLTDLRAVNAVI
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MNKSRRRRNRESLLGAATVEPPKPIPLTWKTEKPVVWNQWPLPKQKLEALHLLANEQLEKGHI EPSFSPWNSPV FVIQKKS GKWRMLTDLRAVNAV I
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HCIDDI LCAAE TKDKLIDCYTF LQA EVANAGLAIASDKIQTSTPFHYLGMQIENRRIKPKQKIEIRKDTLTKTLNDPQKLLGDINWIRPTLGIPTYAMS
NLF S I LR GSD S LNSK RMLTPEATKEIKLVEEKIQAQINRIDPLAPLQLLIFATAHSPTGII IQNTDLVEWSFLPHSTVKTF TFLYLDQIATLIGQTR
LRI IKLCGNDPDKI VVPLTKEQVRQAFINS GAWKIGLANFVGI IDNHYPKTKIFQFLKLTWILPKITRREPLENALT VFTD GSSNGKAA YTGPKER
VIKTPYQSAQRAELVAIVTLQDFDQPINI ISDSAYVQVQADRVTETALIKYSMD DQNLQLFNL LQQT VTRKRNFPFYITHIRAHTNLPGLTKANEQA
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ETSQSSTVDSQDEQNGDVRRTDEVAIHQEGRAANLGTTKEADAVSYKISREHKGDTNPREYAACSLDDCINGGKSPYACRSCSA

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SEQ ID 76

ATGGGGCAACTGAAAGTAAATATGCCCTCTTATCTCAGCTTTATTAATTTCTTTTAAAGAGAGGGGAGTTAGAGCTTCTACAGAAAATCTAATTA
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SEQ ID 77

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CCGCCCCCAGGCTTAA

SEQ ID 78

MGQTESKYASYLSFIKILLRRGGVRASTENLITLFTQIEQFCPWFEQGTLDLKDWEKIGKELKQANREGKIIPLTWVNDWAIKATLEPFTQGED
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SEQ ID 79

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SEQ ID 80

GCCGCGGAATTCGACTCTAGGCCATTGCATACGTTGTATCTATATCATAATATGTACATTTATATGGCTCATGTCCAATATGACCGCCATGTTGA
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SEQ ID 81

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SEQ ID 82

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